

06/11/01

06-13-01

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961 U.S. PTO

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Please type a plus sign (+) inside this box → ☐Approved for use through 10-31-2002. OMB 0651-0032
Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE
Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.**UTILITY
PATENT APPLICATION
TRANSMITTAL**

Attorney Docket No.

X-901 US

First Inventor

Abu K. Eghan

Title

High Performance FlipChip Package That Incorporates Heat
Removal With Minimal Thermal Mismatch

(Only for new nonprovisional applications under 37 CFR 1.53(b))

Express Mail Label No.

EL620969824US

APPLICATION ELEMENTS

See MPEP chapter 600 concerning utility patent application contents.

ADDRESS TO:

Commissioner for Patents
Box Patent Application
Washington, DC 20231

1. ☒ Fee Transmittal Form (e.g., PTO/SB/17)
(Submit an original, and a duplicate for fee processing)
2. ☒ Specification [Total Pages **13**]
(preferred arrangement set forth below)
- Descriptive title of the Invention
- Cross References to Related Applications
- Statement Regarding Fed sponsored R & D
- Reference to sequent listing, a table, or a
computer program listing appendix
- Background of the Invention
- Brief Summary of the Invention
- Brief Description of the Drawings (if filed)
- Detailed Description
- Claim(s)
- Abstract of the Disclosure
3. ☒ Drawing(s) (35 USC 113) [Total Sheets **3**]
4. Oath or Declaration [Total Pages **1**]
a. ☐ Newly executed (original or copy)
b. ☐ Copy from a prior application (37 CFR §1.63(d))
(for continuation/divisional with Box 16 completed)
i. ☐ **DELETION OF INVENTOR(S)**
Signed statement attached deleting
inventor(s) named in the prior application,
see 37 CFR 1.63(d)(2) and 1.33(b).
5. ☒ Application Data Sheet. See 37 CFR 1.76

6. ☐ CD-ROM or CD-R in duplicate, large table or
Computer Program (Appendix)
7. Nucleotide and/or Amino Acid Sequence Submission
(if applicable, all necessary)
a. ☐ Computer Readable Copy
b. Specification Sequence Listing on:
i. ☐ CD-ROM or CD-R (2 copies); or
ii. ☐ paper
c. ☐ Statements verifying identity of above copies

ACCOMPANYING APPLICATION PARTS

8. ☐ Assignment Papers (cover sheet & document(s))
9. ☐ 37 CFR 3.73(b) Statement ☐ Power of Attorney
(when there is an assignee)
10. ☐ English Translation Document (if applicable)
11. ☒ Information Disclosure Statement (IDS)/PTO-1449 ☒ Copies of IDS
Citations
12. ☐ Preliminary Amendment
13. ☒ Return Receipt Postcard (MPEP 503)
(Should be specifically itemized)
14. ☐ Certified Copy of Priority Document(s)
(if foreign priority is claimed)
15. ☒ Request and Certification under 35 U.S.C 122
(b)(2)(B). Applicant must attach form PTO/SB/35
or its equivalent.
16. ☐ Other:

17. If a **CONTINUING APPLICATION**, check appropriate box and supply the requisite information below and in a preliminary amendment,
or in an Application Data Sheet under 37 CFR 1.76:☐ Continuation ☐ Divisional ☐ Continuation-in-part (CIP) of prior application No: _____

Prior application information: Examiner _____ Group / Art Unit: _____

For **CONTINUATION** or **DIVISIONAL APPS** only: The entire disclosure of the prior application, from which an oath or declaration is supplied
under Box 4b, is considered a part of the disclosure of the accompanying continuation or divisional application and is hereby incorporated by
reference. The incorporation can only be relied upon when a portion has been inadvertently omitted from the submitted application parts.**18. CORRESPONDENCE ADDRESS**☒ Customer Number or Bar Code Label**24309**or ☐ Correspondence address below

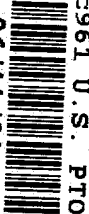
(Insert Customer No. or Attach bar code label here)

| | | | | | |
|---------|---------------------|-----------|--------------|----------|--------------|
| Name | Attn: Edel M. Young | | | | |
| Address | | | | | |
| City | | State | | Zip Code | |
| Country | | Telephone | 408-879-4969 | Fax | 408-377-6137 |

| | | | |
|-------------------|----------------------|-----------------------------------|---------------|
| Name (Print/Type) | Edel M. Young | Registration No. (Attorney/Agent) | 32,451 |
| Signature | <i>Edel M. Young</i> | Date | June 11, 2001 |

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comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, Patent and Trademark Office,
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06/11/01



3961 U.S. PTO

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PTO/SB/17 (11-00)
Approved for use through 10/31/2002. OMB 0651-0032
Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

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FEE TRANSMITTAL for FY 2001

Patent fees are subject to annual revision

TOTAL AMOUNT OF PAYMENT (\$ 710.00)

Complete if Known

| | |
|----------------------|---------------|
| Application Number | Not Yet Known |
| Filing Date | June 11, 2001 |
| First Named Inventor | Abu K. Eghan |
| Examiner Name | Not Yet Known |
| Group /Art Unit | Not Yet Known |
| Attorney Docket No. | X-901 US |

METHOD OF PAYMENT

1. ☒ The Commissioner is hereby authorized to charge indicated fees and credit any over payments to:

Deposit
Account
Number

Deposit
Account
Name

24-0040

XILINX, INC.

☐ Charge Any Additional Fee Required
Under 37 CFR §§ 1.16 and 1.17

2. ☐ Payment Enclosed:

☐ Check ☐ Money Order ☐ Other

FEE CALCULATION

1. BASIC FILING FEE

Large Entity

| Fee Code | Fee (\$) | Fee Description | Fee Paid |
|----------|----------|------------------------|----------|
| 101 | 710 | Utility filing fee | \$710 |
| 106 | 320 | Design filing fee | |
| 107 | 490 | Plant filing fee | |
| 108 | 710 | Reissue filing fee | |
| 114 | 150 | Provisional filing fee | |

SUBTOTAL (1) (\$ 710.00)

2. EXTRA CLAIM FEES

| Total Claims | Extra | Fee from below | Fee Paid |
|-------------------------|-------|----------------|----------|
| 12 - 20** = | -8 | X | \$0 |
| Indep. Claims 2 - 3** = | -1 | X | \$0 |
| Multiple Dependent | | X | |

Large Entity

| Fee Code | Fee (\$) | Fee Description |
|----------|----------|---|
| 103 | 18 | Claims in excess of 20 |
| 102 | 80 | Independent claims in excess of 3 |
| 104 | 270 | Multiple dependent claim, if not paid |
| 109 | 80 | **Reissue independent claims over original patent |
| 110 | 18 | **Reissue claims in excess of 20 and over original patent |

SUBTOTAL (2) (\$ 0.00)

**or number previously paid, if greater; For Reissues, see above

FEE CALCULATION (continued)

3. ADDITIONAL FEES

Large Entity
Fee Fee

| Code | Fee (\$) | Fee Description | Fee Paid |
|---------------------|----------|--|----------|
| 105 | 130 | Surcharge - late filing fee or oath | |
| 127 | 50 | Surcharge - late provisional filing fee or cover sheet. | |
| 147 | 2,520 | For filing a request for reexamination | |
| 112 | 920* | Requesting publication of SIR prior to Examiner action | |
| 113 | 1,840* | Requesting publication of SIR after Examiner action | |
| 115 | 110 | Extension for reply within first month | |
| 116 | 390 | Extension for reply within second month | |
| 117 | 890 | Extension for reply within third month | |
| 118 | 1,390 | Extension for reply within fourth month | |
| 128 | 1,890 | Extension for reply within fifth month | |
| 119 | 310 | Notice of Appeal | |
| 120 | 310 | Filing a brief in support of an appeal | |
| 121 | 270 | Request for oral hearing | |
| 138 | 1,510 | Petition to institute a public use proceeding | |
| 140 | 110 | Petition to revive - unavoidable | |
| 141 | 1,240 | Petition to revive - unintentional | |
| 142 | 1,240 | Utility issue fee (or reissue) | |
| 122 | 130 | Petitions to the Commissioner | |
| 123 | 50 | Petitions related to provisional applications | |
| 126 | 240 | Submission of Information Disclosure Stmt | |
| 581 | 40 | Recording each patent assignment per property (times number of properties) | |
| 146 | 710 | Filing a submission after final rejection (37 CFR 1.129(a)) | |
| 149 | 710 | For each additional invention to be examined (37 CFR 1.129(b)) | |
| 179 | 710 | Request for Continued Examination (RCE) | |
| Other fee (specify) | | | |

*Reduced by Basic Filing Fee Paid SUBTOTAL (3) (\$)

SUBMITTED BY

Complete (if applicable)

| | | | | | |
|-------------------|----------------------|-----------------------------------|------------|-----------|--------------|
| Name (Print/Type) | Edel M. Young | Registration No. (Attorney/Agent) | 32,451 | Telephone | 408-879-4969 |
| Signature | <i>Edel M. Young</i> | Date | 06-11-2001 | | |

WARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.

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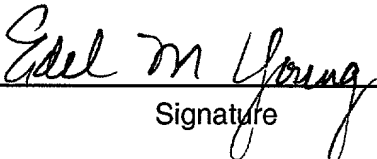
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| | | | |
|--|----------------------|--|--------------|
| REQUEST AND CERTIFICATION UNDER 35 U.S.C. 122(b)(2)(B)(i) | First Named Inventor | | Abu K. Eghan |
| | Title | High Performance FlipChip Package That Incorporates Heat Removal With Minimal Thermal Mismatch | |
| | Atty Docket Number | | X-901 US |

I hereby certify that the invention disclosed in the attached application **has not and will not** be the subject of an application filed in another country, or under a multilateral agreement, that requires publication at eighteen months after filing. I hereby request that the attached application not be published under 35 U.S.C. 122(b).

June 11, 2001

Date


Signature

Edel M. Young Reg. No. 32,451

Typed or printed name

This request must be signed in compliance with 37 CFR 1.33(b) and submitted with the application **upon filing**.

Applicant may rescind this nonpublication request at any time. If applicant rescinds a request that an application not be published under 35 U.S.C. 122(b), the application will be scheduled for publication at eighteen months from the earliest claimed filing date for which a benefit is claimed.

If applicant subsequently files an application directed to the invention disclosed in the attached application in another country, or under a multilateral international agreement, that requires publication of applications eighteen months after filing, the applicant **must** notify the United States Patent and Trademark Office of such filing within forty-five (45) days after the date of the filing of such foreign or international application. **Failure to do so will result in abandonment of this application (35 U.S.C. 122(b)(2)(B)(iii)).**

Burden Hour Statement: This collection of information is required by 37 CFR 1.213(a). The information is used by the public to request that an application not be published under 35 U.S.C. 122(b) (and the PTO to process that request). Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This form is estimated to take 6 minutes to complete. This time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.